

MSD Combined Sewer Projects Prioritization System  
Benefit Points Allocation Schedule

PROJECT NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

PROBLEM SOLVED CATEGORY		Chronic (<=2-Yr) Flooding		Frequent (>2<=10-Yr) Flooding		Infrequent (>10<=20-Yr) Flooding		Total Points		
		Points per Category	No. Lots Affected	Points per Category	No. Lots Affected	Points per Category	No. Lots Affected			
Note: Problem points are awarded only for those problems solved by the proposed solution.										
1.0 Combined Sewer/Overland Flow	1.1 Flooding	1.1.1. Structure Flooding								
		Habitable 1st floor, residential; includes spaces with mechanical equipment (1 lot per structure) <i>Address:</i>	350		250		100			
		Building Backup (1 lot per structure) <i>Address:</i>	300		225		85			
		Basement Flooding from Overland (1 lot per structure) <i>Address:</i>	250		200		70			
		Industrial, office, commercial and warehouse (1 lot per 2,500 sf of floor space flooded) <i>Address:</i>	300		200		70			
		Attached Garage (1 lot per structure) <i>Address:</i>	100		75		40			
		Misc. structures including patio/decks, pools, sheds, tennis courts, detached garages, etc.(1 lot per structure) <i>Address:</i>	50		35		20			
		Yard Flooding (1 per lot) <i>Address:</i>	10		6		2			
		1.1.2 Structure Flooding, <b>Recurrence Frequency Reduced*</b>		Chronic to frequent		Chronic to infrequent		Frequent to infrequent		
		*If proposed project moves any of the above problems from chronic to frequent, chronic to infrequent or from frequent to infrequent but does not achieve a 20-year Level of Service, use the point values below instead of those above		Points per Category	No. Lots Affected	Points per Category	No. Lots Affected	Points per Category	No. Lots Affected	
		Habitable 1st floor, residential; includes spaces with mechanical equipment (1 lot per structure) <i>Address:</i>		175		235		125		
		Building Backup (1 lot per structure) <i>Address:</i>		150		200		115		
	Basement Flooding from Overland (1 lot per structure) <i>Address:</i>		125		170		100			
	Industrial, office, commercial and warehouse (1 lot per 2,500 sf of floor space flooded) <i>Address:</i>		150		200		100			
	Attached Garage (1 lot per structure) <i>Address:</i>		50		70		35			
	1.1.3. Roadway Flooding (allocate 1 lot per 250' of roadway impacted & 2 lots per intersection impacted)									
	Emergency Access restricted (>12" water over only access route to habitable structure), pts per structure <i>Address:</i>		100		75		10			
	Traffic obstruction (> 6" of water) on arterial street <i>Address:</i>		40		30		5			
	Traffic obstruction (> 6" of water) on collector street <i>Address:</i>		20		10		2			
	Traffic obstruction (> 6" of water) on residential street/alley <i>Address:</i>		8		5		1			
	Ponding (per ponding area) <i>Address:</i>		No. Ponds:		Points/pond:		5			
	1.2 Yard Erosion (1 per lot) <i>Address:</i>		No. Lots:		Points/lot:		10			
			<b>TOTAL PROBLEM POINTS</b>							

- NOTE:**
1. Problem points are awarded only for those problems solved by the proposed solution.
  2. Condos/apartments to be assigned points on a per-family-impacted basis
  3. For Buyout/Relocation projects: the Total Problem Points = Total Benefit Points. (Only use page 1 of this form to assign points, then proceed to the bottom of page 2 to enter the total cost.

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**CONTINUED:**

SOLUTION BENEFIT CATEGORY					Total Points
<b>2.0 REGIONAL</b>	2.1. Reduction of flowrate to combined sewer (retention/detention)	% reduction of peak flowrate :		Max points:	1000
	2.2. Does retention/detention in 2.1 occur in upper 1/3 of watershed?	Yes = 100, No = 0 pts			
	2.3. Combines smaller projects into regional solution (see note)	No. Add'l Projects:		Points per Add'l Proj.:	100
<b>3.0 ENVIRONMENTAL / BMPS</b>	3.1. Project Includes BMP's/Green Infrastructure:	No. Units		Points per Unit	
	Bioswales		PER 100 LF		10
	Forebays		AC		200
	Wet Ponds		AC		100
	Wetlands		AC		50
	Bioretention		100 SF		10
	Rain Gardens		100 SF		10
	Rain Barrels		EA		5
	Microdetention		EA		5
	Reduction of impervious area		1000 SF		10
	3.2. Eliminates combined sewer by full separation (project area in AC)	0-20 AC (5 pts/AC)	>20≤100 AC (10 pts / AC)	>100 AC (15 pts/AC)	
	AC (enter total project area at left)	0	0	0	
	3.3 Includes soft separation of sewers (project area in AC)	0-20 AC (5 pts/AC)	>20≤100 AC (10 pts / AC)	>100 AC (15 pts/AC)	
150	AC (enter total project area at left)	0	0	0	
<b>4.0 MISC.</b>	4.1. Project replaces pipe(s) with known significant condition defects	Diameter <24" = 100 pts Diameter ≥24" = 500 pts		Diameter in inches:	
	4.2 Project increases level-of-service to adjacent properties	No. Adjacent Properties:		Points per property:	50
	4.3. Recreational/Educational	Yes = 100, no = 0 pts			
<b>TOTAL SOLUTION POINTS</b>					
<b>TOTAL BENEFIT POINTS</b>					

**NOTE:** A regional solution combines several smaller projects into a watershed or subwatershed solution.

**TOTAL COST IN THOUSANDS=**

**BENEFIT/ COST RATIO= TOTAL POINTS/ TOTAL COST IN THOUSANDS=**

Place "X" in one box below:

	MSD Project
	Project by Others